

# NATIONAL SOLAR OBSERVATORY

## Daily Sunspot Data From Automated Analysis

USAF OSPaN 630.315nm image

CLOUDS: Ukn

CONDITION: Good

OBSERVER: *TWH*

Irradiance reduction due to sunspot  
blocking = 0.30% at 630.315nm

**31 Oct 03**  
**15:30:26 UT**

GROUPS: 8

SPOTS: 54

R-NUMBER: 134

TOTAL SPOT AREA: 5706  $\mu$

THRESHOLD: 0.92

